

IRON AND STEEL SCRAP STATISTICS
By Thomas D. Kelly and Michael D. Fenton
[All values in metric tons (t) unless otherwise noted]
Last modification: February 19, 2004

Year	Production	Imports	Exports	Stocks	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)
1934			1,870,000			10.74	131.00
1935			2,140,000		27,000,000	11.52	137.00
1936			1,970,000		37,000,000	14.48	170.00
1937		83,000	4,170,000		39,000,000	17.63	200.00
1938		24,800	3,050,000	4,670,000	22,000,000	13.21	153.00
1939	37,000,000	30,000	3,640,000	4,820,000	33,000,000	15.95	187.00
1940	43,000,000	1,990	2,870,000	4,960,000	40,000,000	18.22	212.00
1941	53,000,000	65,100	820,000	3,380,000	54,000,000	19.12	212.00
1942	57,000,000	89,700	129,000	5,730,000	55,000,000	18.87	189.00
1943	56,000,000	132,000	49,800	5,330,000	56,000,000	18.87	178.00
1944	55,000,000	119,000	86,800	4,010,000	56,000,000	18.33	170.00
1945	51,000,000	60,300	74,400	3,560,000	51,000,000	18.84	171.00
1946	45,000,000	52,300	128,000	3,080,000	45,000,000	19.83	166.00
1947	56,000,000	64,100	155,000	4,020,000	55,000,000	35.08	256.00
1948	61,000,000	436,000	192,000	5,860,000	59,000,000	40.89	277.00
1949	47,000,000	1,040,000	271,000	5,120,000	49,000,000	27.06	185.00
1950	62,000,000	712,000	197,000	4,920,000	63,000,000	34.78	235.00
1951	69,000,000	378,000	214,000	3,960,000	70,000,000	42.46	266.00
1952	65,000,000	139,000	319,000	6,260,000	63,000,000	41.23	254.00
1953	70,000,000	158,000	281,000	6,490,000	70,000,000	39.27	240.00
1954	57,000,000	217,000	1,520,000	6,670,000	56,000,000	28.29	171.00
1955	74,000,000	207,000	4,650,000	6,540,000	74,000,000	39.12	238.00
1956	77,000,000	232,000	5,750,000	6,730,000	73,000,000	52.61	315.00
1957	68,000,000	216,000	6,140,000	8,120,000	67,000,000	46.36	269.00
1958	52,000,000	302,000	2,660,000	8,700,000	51,000,000	37.21	210.00
1959	60,000,000	281,000	4,480,000	9,070,000	60,000,000	37.09	208.00
1960	60,000,000	163,000	7,290,000	8,430,000	60,000,000	32.68	180.00
1961	58,000,000	243,000	8,810,000	8,000,000	58,000,000	35.80	195.00
1962	60,000,000	191,000	4,640,000	7,690,000	60,000,000	27.89	151.00
1963	67,000,000	197,000	5,770,000	7,210,000	68,000,000	26.47	141.00
1964	76,000,000	256,000	7,170,000	6,740,000	77,000,000	35.92	189.00
1965	83,000,000	192,000	5,670,000	6,930,000	82,000,000	33.73	175.00
1966	84,000,000	369,000	5,240,000	7,430,000	83,000,000	30.18	152.00
1967	84,000,000	208,000	6,810,000	7,070,000	77,000,000	27.19	133.00
1968	85,000,000	267,000	5,960,000	7,150,000	79,000,000	25.53	120.00
1969	91,000,000	304,000	8,200,000	5,940,000	86,000,000	30.08	133.60
1970	84,000,000	273,000	9,170,000	6,960,000	78,000,000	44.24	185.90
1971	81,000,000	257,000	5,520,000	7,710,000	75,000,000	33.92	136.50
1972	91,000,000	283,000	6,510,000	7,410,000	85,000,000	36.05	140.60
1973	103,000,000	317,000	9,860,000	6,430,000	94,000,000	56.76	208.40
1974	105,000,000	182,000	7,710,000	7,630,000	96,000,000	106.10	350.80
1975	84,000,000	277,000	8,570,000	7,950,000	75,000,000	71.37	216.20
1976	90,000,000	460,000	7,150,000	9,060,000	82,000,000	76.74	219.80
1977	89,000,000	557,000	5,310,000	8,490,000	84,000,000	63.05	169.60
1978	93,000,000	720,000	8,200,000	7,510,000	90,000,000	75.92	189.80
1979	99,000,000	689,000	10,000,000	7,910,000	90,000,000	97.41	218.70
1980	85,000,000	528,000	10,100,000	7,270,000	76,000,000	91.42	180.80
1981	83,000,000	504,000	5,820,000	7,360,000	77,000,000	91.86	164.70
1982	56,000,000	425,000	6,170,000	5,820,000	51,000,000	62.72	105.90
1983	62,000,000	582,000	6,820,000	5,270,000	56,000,000	71.76	117.40
1984	67,000,000	523,000	8,620,000	4,770,000	60,000,000	86.52	135.70
1985	71,000,000	554,000	9,030,000	4,630,000	64,000,000	68.93	104.40

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1986	69,000,000	657,000	10,600,000	3,940,000	60,000,000	73.00	108.60
1987	72,000,000	765,000	9,410,000	4,390,000	62,000,000	84.41	121.10
1988	79,000,000	942,000	9,160,000	4,130,000	70,000,000	107.30	147.80
1989	75,000,000	1,020,000	11,100,000	4,290,000	68,000,000	105.60	138.80
1990	80,000,000	1,320,000	11,600,000	4,300,000	69,000,000	105.50	131.60
1991	69,000,000	1,070,000	9,500,000	4,100,000	62,000,000	91.79	109.90
1992	71,000,000	1,320,000	9,260,000	3,800,000	63,000,000	84.67	98.37
1993	76,000,000	1,390,000	9,810,000	3,700,000	68,000,000	112.40	126.80
1994	78,000,000	1,740,000	8,810,000	4,100,000	70,000,000	126.80	139.50
1995	79,000,000	2,090,000	10,400,000	4,200,000	72,000,000	135.00	144.40
1996	77,000,000	2,600,000	8,440,000	5,200,000	71,000,000	130.60	135.70
1997	79,000,000	2,870,000	8,930,000	5,500,000	73,000,000	130.50	132.50
1998	76,000,000	3,060,000	5,570,000	5,300,000	73,000,000	108.30	108.30
1999	72,000,000	3,670,000	5,520,000	5,500,000	71,000,000	94.15	92.12
2000	76,000,000	3,360,000	5,760,000	5,300,000	74,000,000	95.88	90.76
2001	73,000,000	2,630,000	7,440,000	4,900,000	71,000,000	74.90	68.91
2002	73,000,000	3,130,000	8,950,000	5,100,000	69,000,000	92.56	83.84

Iron and Steel Scrap Worksheet Notes

Data Sources

The sources of data for the iron and steel scrap worksheet are the mineral statistics publications of the U.S. Bureau of Mines and the U.S. Geological Survey—Minerals Yearbook (MYB) and the Mineral Commodity Summaries (MCS) and its predecessor the Commodity Data Summaries (CDS). For the years 1934–98, the unit value data is derived from Metal Prices in the United States through 1998 (MP98). The years of publication and corresponding years of data coverage are listed in the References section below. Blank cells in the worksheet indicate that data were not available.

Production

For the years 1939–54, the production was calculated with the formula:

$$\text{PRODUCTION} = \text{APPARENT CONSUMPTION} - \text{IMPORTS} + \text{EXPORTS} \pm \text{STOCK CHANGES}.$$

For the years 1955–2002, production is the sum of home scrap and purchased scrap from the MCS and CDS.

Imports

Imports of iron and steel scrap into the United States are reported for the years 1936–2002 in the MYB. Data were not available for the years 1934–36.

Exports

Exports of iron and steel scrap from the United States are reported for the years 1934–2002 in the MYB.

Stocks

Stocks of iron and steel scrap in the United States are reported for the years 1938–2002 in the MYB. Data were not available for the years 1934–37.

Apparent Consumption

U.S. apparent consumption of iron and steel scrap is reported for the years 1935–2002 in the MYB. Data were not available for the year 1934.

Unit Value (\$/t)

Unit value is the value in dollars of 1 metric ton (t) of apparent consumption. Unit value for iron and steel scrap is estimated from a price series in MP98 for heavy melt scrap for the years 1934–98. For the years 1999–2002, the composite price for number 1 heavy melting steel is recorded from the MYB.

Unit Value (98\$/t)

The Consumer Price Index conversion factor, with 1998 as the base year, is used to adjust unit value in current U.S. dollars to the unit value in constant 1998 U.S. dollars.

References

- U.S. Bureau of Mines, 1962–77, Commodity Data Summaries, 1962–77.
- U.S. Bureau of Mines, 1978–95, Mineral Commodity Summaries, 1978–95.
- U.S. Bureau of Mines, 1933–96, Minerals Yearbook, 1932–94.
- U.S. Geological Survey, 1997–2002, Mineral Commodity Summaries, 1997–2002.
- U.S. Geological Survey, 1997–2004, Minerals Yearbook, v. I, 1995–2002.
- U.S. Geological Survey, 1999, Metal Prices in the United States through 1998.

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